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|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------|------------------|-----------------|--------------------|----------------|--------|
| 10000000000000000000000000000000000000 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | u.s. utility                                                                                    | O O                        | pplication                                         |                  | PAT             | ENT NUM<br>ISSUE D |                |        |
|                                        | APPL NUM<br>10086069<br>APPLICANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FILING DATE<br>10/22/2001<br>S: Keim                                                            | 363                        | SUBCLASS Serreault David                           | 2838             | Maff            | KAMINER            | uzh<br>O       |        |
|                                        | his apylic chi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | G DATA VERIFI                                                                                   | /242,327 10                |                                                    | *                | BES             |                    |                |        |
| is                                     | hich claims bentiated the history of | 09/557,844 04/enefit of 60/177 lefit of 60/184,0/ 1 10/086,069 558,193 04/26/2 enefit of 60/177 | ,752 01/24/<br>06 02/22/20 | 2000<br>000<br>,456,514                            |                  | AVAILA          | 1                  |                |        |
| 8 a                                    | nd claims ben                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | efit of 60/184,0                                                                                | 06 02/22/20                | 000                                                |                  | BEST AVAILABLE  | " E COPY           | ya 20          |        |
|                                        | FOREIGN A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PPLICATIONS                                                                                     | VERIFIED                   | :                                                  |                  |                 |                    |                |        |
|                                        | A OCT (1) (1) (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IOT PUBLISH                                                                                     | <u> </u>                   | PESC                                               | ND 🗆             |                 | ·                  |                | 34 BV3 |
| الفائد                                 | oreign priority cla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                            | es □ no                                            | ND —             | ATTORNEY        | DOCKET N           | 10             |        |
| A2000                                  | 5 USC 119 condi<br>erified and Ackno                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tions met<br>owledged Examiners                                                                 | -                          | es⊒ no ~                                           |                  | MIT-075AU       | S                  | į              |        |
|                                        | ITLE : Alterna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | tor control circu                                                                               | it and relate              | ed techniques                                      | V-Marin Consider | U.S.DEPT, OF C  | OMM./PAT & FM-PT   | Ų ž            |        |
|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                 |                            |                                                    |                  |                 |                    |                |        |
|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OBELVALEDAY                                                                                     | Accept<br>Accept           | ont Evinden                                        |                  | NC C            |                    |                |        |
| Amu                                    | MW Duo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Dato Pold                                                                                       |                            | Prin                                               | iary Exam        | <b>38</b> : 30  | Oraș (Fe           | One Office     |        |
|                                        | TERM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | • `•                                                                                            | P                          | REPARED FO                                         | R ISSUE          | Applic          | ation Exam         | inor           |        |
|                                        | Transfer and the second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DISCLAMER                                                                                       | Unauth                     | NING: The info<br>norized disclosures 122, 181 and | re may be pr     | rehibited by th | e United State     | s Code Title 3 | 5      |